Jizhong Cheng

List of Publications by Year
in descending order

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29 papers	842 citations	516710 16 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	1209 citing authors

#	Article	IF	Citations
1	Mechanical Stretch Simulates Proliferation of Venous Smooth Muscle Cells Through Activation of the Insulin-Like Growth Factor-1 Receptor. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1744-1751.	2.4	105
2	Transient receptor potential vanilloid 4â€“expressing macrophages and keratinocytes contribute differentially to allergic and nonallergic chronic itch. Journal of Allergy and Clinical Immunology, 2018, 141, 608-619.e7.	2.9	85
3	Oxidized Low-Density Lipoprotein Stimulates p53-Dependent Activation of Proapoptotic Bax Leading to Apoptosis of Differentiated Endothelial Progenitor Cells. Endocrinology, 2007, 148, 2085-2094.	2.8	76
4	TRPV4 Channel Signaling in Macrophages Promotes Gastrointestinal Motility via Direct Effects on Smooth Muscle Cells. Immunity, 2018, 49, 107-119.e4.	14.3	63
5	The Mechanical Stressâ€“Activated Serum-, Glucocorticoid-Regulated Kinase 1 Contributes to Neointima Formation in Vein Grafts. Circulation Research, 2010, 107, 1265-1274.	4.5	48
6	Chronic kidney disease accelerates endothelial barrier dysfunction in a mouse model of an arteriovenous fistula. American Journal of Physiology - Renal Physiology, 2013, 304, F1413-F1420.	2.7	47
7	Blocking Notch in Endothelial Cells Prevents Arteriovenous Fistula Failure Despite CKD. Journal of the American Society of Nephrology: JASN, 2014, 25, 773-783.	6.1	45
8	FSP-1 Silencing in Bone Marrow Cells Suppresses Neointima Formation in Vein Graft. Circulation Research, 2012, 110, 230-240.	4.5	41
9	Protective Role of Insulin-Like Growth Factor-1 Receptor in Endothelial Cells against Unilateral Ureteral Obstructionâ€“Induced Renal Fibrosis. American Journal of Pathology, 2015, 185, 1234-1250.	3.8	39
10	Migration of smooth muscle cells from the arterial anastomosis of arteriovenous fistulas requires Notch activation to form neointima. Kidney International, 2015, 88, 490-502.	5.2	37
11	Aqp-1 Gene Knockout Attenuates Hypoxic Pulmonary Hypertension of Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 48-62.	2.4	34
12	Serum Glucocorticoidâ€“Regulated Kinase 1 Blocks CKDâ€“Induced Muscle Wasting Via Inactivation of FoxO3a and Smad2/3. Journal of the American Society of Nephrology: JASN, 2016, 27, 2797-2808.	6.1	28
13	Mechanical Stretch Inhibits Oxidized Low Density Lipoprotein-induced Apoptosis in Vascular Smooth Muscle Cells by Up-regulating Integrin Î±VÎ²3 and Stablization of PINCH-1. Journal of Biological Chemistry, 2007, 282, 34268-34275.	3.4	25
14	Integrin Î²3 Mediates the Endothelial-to-Mesenchymal Transition via the Notch Pathway. Cellular Physiology and Biochemistry, 2018, 49, 985-997.	1.6	25
15	Kidney-specific transposon-mediated gene transfer in vivo. Scientific Reports, 2017, 7, 44904.	3.3	23
16	Smooth muscle cells from the anastomosed artery are the major precursors for neointima formation in both artery and vein grafts. Basic Research in Cardiology, 2014, 109, 431.	5.9	22
17	Endothelium-specific depletion of LRP1 improves glucose homeostasis through inducing osteocalcin. Nature Communications, 2021, 12, 5296.	12.8	16
18	PDGFRA in vascular adventitial MSCs promotes neointima formation in arteriovenous fistula in chronic kidney disease. JCI Insight, 2020, 5, .	5.0	15

#	Article	IF	Citations
19	Low-Se Diet Can Affect Sperm Quality and Testicular Glutathione Peroxidase-4 activity in Rats. Biological Trace Element Research, 2021, 199, 3752-3758.	3.5	14
20	Highâ€“molecular weight hyaluronan attenuates tubulointerstitial scarring in kidney injury. JCI Insight, 2020, 5, .	5.0	13
21	Impaired Integrin Î²3 Delays Endothelial Cell Regeneration and Contributes to Arteriovenous Graft Failure in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 607-615.	2.4	10
22	Reduced Expression of Glutathione S-Transferase Î± 4 Promotes Vascular Neointimal Hyperplasia in CKD. Journal of the American Society of Nephrology: JASN, 2018, 29, 505-517.	6.1	8
23	Notch signaling in bone marrowâ€“derived FSP-1Âcells initiates neointima formation in arteriovenousÂfistulas. Kidney International, 2019, 95, 1347-1358.	5.2	8
24	Decreased Jagged1 expression in vascular smooth muscle cells delays endothelial regeneration in arteriovenous graft. Cardiovascular Research, 2020, 116, 2142-2155.	3.8	6
25	Hydrodynamic Renal Pelvis Injection for Non-viral Expression of Proteins in the Kidney. Journal of Visualized Experiments, 2018, , .	0.3	4
26	Association Between Type of Vascular Access Used in Hemodialysis Patients and Subsequent Kidney Transplant Outcomes. Kidney Medicine, 2019, 1, 383-390.	2.0	3
27	Downregulation of the endothelial histone demethylase JMJD3 is associated with neointimal hyperplasia of arteriovenous fistulas in kidney failure. Journal of Biological Chemistry, 2022, 298, 101816.	3.4	2
28	Abstract 409: Notch Signaling in Bone Marrow-derived FSP-1 + Cells Mediates a Phenotypic Change in Smooth Muscle Cells Leading to AVF Failure. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	2.4	0
29	Abstract 643: Impaired Integrin Î²3 Delays Endothelial Cell Regeneration and Contributes to Arteriovenous Graft Failure in mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, .	2.4	0